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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/760,210	01/21/2004	Kia Silverbrook	RRA02US	1354

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SILVERBROOK RESEARCH PTY LTD
393 DARLING STREET
BALMAIN, NSW 2041
AUSTRALIA

EXAMINER

GOLDBERG, BRIAN J

ART UNIT	PAPER NUMBER
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2861

SHORTENED STATUTORY PERIOD OF RESPONSE	MAIL DATE	DELIVERY MODE
3 MONTHS	01/23/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

Office Action Summary	Application No. 10/760,210	Applicant(s) SILVERBROOK, KIA	
	Examiner Brian Goldberg	Art Unit 2861	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 07 November 2006.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-7 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-7 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 27 June 2005 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Claim Rejections - 35 USC § 103

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

2. Claims 1-4 are rejected under 35 U.S.C. 103(a) as being unpatentable over Bailey et al. (US 6481829) in view of Reed et al. (US 6585348).

3. Regarding claim 1, Bailey et al. disclose "providing the inkjet printer in at least first (12 of Fig 2) and second (50 of Fig 3) portions detachable from each other in a single operation (col 5 ln 40-64, col 7 ln 3-6), the first portion requiring replacement more frequently than the second portion in use (col 1 ln 42-46)." Thus Bailey et al. meet the claimed invention except "wherein the first portion includes the pagewidth printhead."

4. Reed et al. teach "wherein the first portion includes the pagewidth printhead (col 1 ln 59 – col 2 ln 9). Reed et al. teach the ability to interchange a pagewidth printhead cartridge and a more conventional reciprocating printhead cartridge. It would have been obvious to one of ordinary skill in the art at the time of the applicant's invention to substitute a pagewidth printhead cartridge for the cartridge of Bailey et al. One would have been motivated to so modify Bailey et al. for the benefit of providing a printhead that can print across an entire page in one pass and minimize the nozzle gap between adjacent printhead elements as stated by Drake et al. (US 5572244).

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5. Regarding claim 2, Bailey et al. further disclose "wherein the first portion (12) further includes a printing fluid storage for storing printing fluids (col 3 ln 27-35)."

6. Regarding claim 3, Bailey et al. further disclose "wherein the first portion (12) is a printer cartridge removably received within said second portion (col 3 ln 58-60, col 5 ln 40-64, col 7 ln 3-6)."

7. Regarding claim 4, Bailey et al. further disclose "wherein said second portion (50) is a printer cradle unit having a cavity adapted to receive said printer cartridge (col 3 ln 58-60, see Fig 3 and 4)."

8. Claim 5 is rejected under 35 U.S.C. 103(a) as being unpatentable over Bailey et al. in view of Reed et al. and further in view of Waller et al. (US 6250738).

9. Bailey et al. in view of Reed et al. disclose the claimed invention as set forth above regarding claim 4. Thus Bailey et al. in view of Reed et al. meet the claimed invention except "wherein the printer cradle unit includes an electrical control unit."

10. Waller et al. teach providing "an electrical control unit (22 of Fig 1)." It would have been obvious to one of ordinary skill in the art at the time of the applicant's invention to provide an electrical control unit. One would have been motivated to so modify Bailey et al. in view of Reed et al. for the benefit of maintaining control over the operation of the device internally and integrally as part of the cradle unit by receiving data to be printed, storing it in memory, and provide timing control, as set forth by Waller et al. in column 4, lines 51-59.

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11. Claims 6 and 7 are rejected under 35 U.S.C. 103(a) as being unpatentable over Bailey et al. in view of Reed et al. and Waller et al. and further in view of Silverbrook et al. (US 6439908).

12. Regarding claim 6, Bailey et al. in view of Reed et al. and Waller et al. disclose the claimed invention as set forth above regarding claim 5. Thus Bailey et al. in view of Reed et al. and Waller et al. meet the claimed invention except "wherein the printer cradle unit includes power and data connectors to mate with corresponding data and power connectors provided on said printer cartridge to facilitate operational control of said printer cartridge."

13. Silverbrook et al. teaches "wherein the printer cradle unit includes power and data connectors (56 of Fig 14) to mate with corresponding data and power connectors (48 of Fig 8) provided on said printer cartridge to facilitate operational control of said printer cartridge (col 3 ln 59-64)." It would have been obvious to one of ordinary skill in the art at the time of the applicant's invention to provide power and data connectors. One would have been motivated to so modify Bailey et al. in view of Reed et al. and Waller et al. for the benefit of maintaining electrical contact and getting data and power to the printhead as stated by Silverbrook et al.

14. Regarding claim 7, Waller et al. further teach providing "a print media handling system (18 of Fig 1)." It would have been obvious to one of ordinary skill in the art at the time of the applicant's invention to include a print media handling system. One would have been motivated to so modify Bailey et al. in view of Reed et al. and

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Silverbrook et al. for the benefit of providing the capability of moving the media sheet into the print zone, as stated by Waller et al. in column 4, lines 37-38.

Response to Arguments

15. Applicant's arguments filed 10/11/06 have been fully considered but they are not persuasive. The latch assembly disclosed by Bailey et al. is for latching a cartridge to a cradle (50), which is what is being claimed in the instant application. Reed et al. teach that a pagewidth printhead cartridge may be exchanged for a print head cartridge that reciprocates transversely. Thus, the combination of Bailey et al. in view of Reed et al. meet the claimed invention of first (cartridge) and second (cradle) portions detachable from each other in a single operation (latch), the first portion requiring replacement more frequently than the second portion (replace cartridge more frequently than cradle), with the first portion being a pagewidth printhead (taught by Reed et al.).

Conclusion

16. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of

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the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Brian Goldberg whose telephone number is 571-272-2728. The examiner can normally be reached on Monday through Friday, 9AM-5PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Stephen Meier can be reached on 571-272-2149. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Brian Goldberg
AU 2861
January 12, 2007



STEPHEN MEIER
SUPERVISORY PATENT EXAMINER